Overview of DT at St Paul's C of E Primary School

Walk On Water

With God all things are possible

School Vision:

To inspire a community which values everyone and their God given potential, encouraging all to flourish, achieve and believe in future possibilities.

DT Vision:

To inspire all children to use their creativity and problem solving skills to design, make and evaluate something purposeful in response to a design brief for someone.

Intent

Design Technology ignites children's creativity and applies it to relevant situations. At St. Paul's, the curriculum is designed for pupils to grow in their ability to solve real and relevant problems in a variety of contexts. The driving force behind every DT unit is the imaginative search for solutions that employ the skills they are mastering, rather than just arriving at a final product.

Knowledge:

As well as learning about healthy and sustainable eating and international cuisines, DT provides a practical opportunity for children to apply the knowledge they have acquired in Science, such as in electricity.

Skills:

Children develop their individual creativity and problem solving skills in the context of construction, electrical materials, mechanics, food and textiles. They design, make and evaluate something for someone of their choice with a particular purpose in mind, according to a design brief.

Cross Curricular Links

History— Victorians (Y2)and World War I & II (Y6).

RE— Christmas (Y3 & 4)

Science— Mechanisms (Y3 Transference of forces) Electricals (Y4 Christmas decoration with light)

English— Puppets (Y2)

Art—Fruit (Y1) Puppets (Y2), Christmas Stockings (Y3), Draw String Bags (Y5).

Implementation

EYFS have weekly 'Expressive Arts and Design' sessions throughout their topic-based learning. KS1 and KS2 classes enjoy two topics with a DT focus which are implemented through designing, making and evaluating, giving children opportunities to be inventive, critical and reflective of their work. At the end of each unit, children demonstrate their learning through proof of progress (POP) tasks.

Our Teaching / Learning Sequence

In order to develop their DT skills, learners will:

- Use their creativity to solve problems
- Design something useful for someone in particular
- Develop essential cooking skills
- Grow in their confidence to perform a wide range of relevant life skills.

Inspire
The design element in the process involves market research and investigating similar products.

Achieve
The evaluating element in their process is an opportunity for children to reflect on and be proud of their achievements.

Belong
In DT children are always making something for someone of their choice.

Flourish
DT provides children with an opportunity to develop skills which will be of practical use to them throughout their lives.

Impact

By the time the children at St. Paul's leave our school, they will be able to:

· display a commitment to the design process of testing, analysing and refining.

· reflect, discuss and evaluate their ideas and those of others.

· confidently use their technical and practical skills to perform a range of every day tasks.

· appreciate the creative process and be able to apply some of the skills of designing, making, evaluating, reflecting to other curricular areas.